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2 5. (Original) One or more computer readable media as recited in claim
3 4, wherein the sub-portion comprises a byte.

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5 6. (Original) One or more computer readable media as recited in claim
6 1, wherein the digital good comprises a software program.

7
8 7. (Original) One or more computer readable media as recited in claim
9 1, wherein the digital good includes video content.

10
11 8. (Previously presented) A method comprising:
12 selecting a segment of a digital good;
13 selecting another segment of the digital good, wherein the other segment is
14 to be encrypted using an encryption process; and
15 mapping, as at least part of the encryption process, values within the other
16 segment to new values based on the segment, wherein the mapping comprises
17 using the segment as a substitution box (S-box) during the encryption process.

18
19 9. (Original) A method as recited in claim 8, wherein the entire digital
20 good is to be encrypted by the encryption process.

21
22 10. (Canceled).
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1 11. (Original) A method as recited in claim 8, wherein the mapping
2 comprises determining, for each group of bits of the other segment, a new group of
3 bits based on the segment.

4
5 12. (Original) A method as recited in claim 8, wherein the mapping
6 comprises using bits of the segment to determine a new value for each value in the
7 other segment.

8
9 13. (Original) A method as recited in claim 8, wherein the digital good
10 comprises a software program.

11
12 14. (Original) A method as recited in claim 8, wherein the digital good
13 includes video content.

14
15 15. (Original) A method as recited in claim 8, wherein the encryption
16 process uses a Data Encryption Standard (DES) cipher.

17
18 16. (Original) One or more computer-readable memories comprising
19 computer-readable instructions that, when executed by a processor, direct a
20 computer system to perform the method as recited in claim 8.

21
22 17-24. (Canceled)

23
24 25. (Original) A production system, comprising:
25 a memory to store an original program; and

1 a production server equipped with a substitution box (S-box) protection tool
2 that is used to augment the original program for protection purposes, the
3 production server being configured to identify a first segment in the original
4 program and use the first segment as an S-box when encrypting a second segment
5 of the original program.

6
7 26. (Original) A production system as recited in claim 25, wherein the
8 production server is further configured to use the first segment as an S-box by
9 determining, for each group of bits of the second segment, a new group of bits
10 based on the first segment.

11
12 27. (Original) A production system as recited in claim 25, wherein the
13 production server is further configured to use the first segment as an S-box by
14 using bits of the first segment to determine a substitution value for each value in
15 the second segment.

16
17 28. (Original) A production system as recited in claim 25, wherein the
18 production server is to encrypt the entire digital good.

19
20 29. (Original) A production system as recited in claim 25, wherein the
21 digital good includes one or more of: a software program, audio content, and
22 video content.
23
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1 30. (Original) A production system as recited in claim 25, wherein the
2 production server uses a Data Encryption Standard (DES) cipher to encrypt the
3 second segment.

4
5 31. (Currently amended) A client-server system, comprising:
6 a production server to use a portion of a first digital good as a substitution
7 box (S-box) in encrypting at least a portion of a second digital good to produce a
8 protected digital good; and

9 a client to store and execute the protected digital good, the client being
10 configured to evaluate the protected digital good to determine whether the
11 protected digital good has been tampered with; and

12 wherein the first digital good and the second digital good are the same
13 digital good.

14
15 32. (Canceled)

16
17 33. (Original) One or more computer readable media having stored
18 thereon a plurality of instructions that, when executed by one or more processors,
19 causes the one or more processors to perform acts including:

20 decrypting at least a portion of a digital good by using another portion of
21 the digital good as a substitution box (S-box).

22
23 34. (Original) One or more computer readable media as recited in claim
24 33, wherein the decrypting is based at least in part on a Data Encryption Standard
25 (DES) cipher.

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2 35. (Original) One or more computer readable media as recited in claim
3 33, wherein the decrypting comprises using bits of the other portion to determine a
4 substitution value for each value in the portion.

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6 36. (Original) One or more computer readable media as recited in claim
7 33, wherein the digital good includes one or more of: a software program, audio
8 content, and video content.
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